

May 5, 2003  
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Serial No.: 10/084,709  
Filed: February 25, 2002  
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**REMARKS**

In the Non-Final Office Action, Examiner Clinger rejected pending claims 1-11 on various grounds. The Applicants respond to each rejection as subsequently recited herein, and respectfully requests reconsideration and further examination of the present application under 37 CFR § 1.112:

- A. Claims 1-3, 5-9 and 11 were rejected under 35 U.S.C. §102(e) as being anticipated by U.S. Patent No. 6,498,586 to *Pankinaho*

The Applicant has thoroughly considered Examiner Clinger's remarks concerning the patentability of claims 1-3, 5-9 and 11 over *Pankinaho*. The Applicant has also thoroughly read *Pankinaho*. As illustrated in FIGS. 9-13 of *Pankinaho*, the Applicant respectfully asserts that *Pankinaho* discloses a planar patch conductor 102 including a slot 110 asymmetrically dividing conductor 102 into a narrow section and a wide section. A single feed line 107 is connected to a coupling line 106, but *Pankinaho* teaches the single feed line 107 can be coupled to the narrow section of conductor 12 as illustrated in FIGS. 9-13. See, *Pankinaho* at column 9, lines 52-59. A first ground line 108 is connected to the wide section of conductor 12 and a ground 105 as illustrated in FIGS. 9-13.

FIG. 10 illustrates a radio circuit C1, S1 connected to a feed point in the narrow section of conductor 12 and ground 105. *Pankinaho* fails to teach or suggest the radio circuit C1, S1 being connected to a feed point in the wide section of conductor 12.

FIG. 11 illustrates an addition of a new conductor 103, which is connected to feeding line 107 and is not a portion of conductor 102 that is divided from the wide section of conductor 102 by the a new slot.

FIG. 12 illustrates an addition of a new conductor 104, which is connected to feeding line 107 and is not a portion of conductor 102 that is divided from the wide section of conductor 102 by the a new slot.

FIG. 13 illustrates an addition of one radio circuit C3 and a second radio circuit S2, C2, where both radio circuits are connected to ground line 108 and ground

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105. *Pankinaho* fails to teach or suggest either radio circuit being connected to a feed point of conductor 12.

To better differentiate the present invention of *Pankinaho* and the remaining art of record, the Applicant has cancelled claims 1-11 herein without prejudiced or disclaimer to the subject matter of claims 1-11, and added claims 12-30 herein. The Applicant respectfully asserts that *Pankinaho* and the remaining art of record, in combination, fail to disclose, teach or suggest the following limitation of independent claims 12, 14 and 22:

1. "said first section being larger than said second section", a first radio circuit connected to said first section at a feed connection point", and "a second radio circuit connected to said second section at a ground connection point, wherein said second radio circuit includes at least one of a switch and a passive circuit for operating said antenna arrangement in a plurality of modes" as recited in independent claim 12;
2. "a first radio circuit connected to said first section at a feed connection point", "a second radio circuit connected to said first section at a first ground connection point", and "a third radio circuit connected to said second section at a second ground connection point" as recited in independent claim 14; and
3. "a first radio circuit connected to said first section at a first feed connection point", "a second radio circuit connected to said first section at a ground connection point", and "a third radio circuit connected to said second section at a second feed connection point" as recited in independent claim 27.

The Applicant therefore respectfully requests a withdrawal of the rejection of claims 1-3, 5-9 and 11 under 35 U.S.C. §102(b) as being anticipated by *Pankinaho* and an allowance of claims 13-30 over the art of record.

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- B. Claims 4 and 10 were rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent No. 6,498,586 to *Pankinaho*

The Applicant has cancelled claims 4 and 10 herein without disclaimer or prejudice as to the claimed subject matter. Withdrawal of the rejection of claims 4 and 10 under §103(b) as being unpatentable over *Pankinaho* is therefore respectfully requested.

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**SUMMARY**

Examiner Clinger's §§102(t) and 103(a) rejections of claims 1-11 have been obviated by the cancellation of claims 1-11. The Applicant has supported the patentability of new claims 12-30 over the art of record. The Applicant respectfully submits that claims 12-30 added herein fully satisfy the requirements of 35 U.S.C. §§ 102, 103 and 112. In view of the foregoing, favorable consideration and early passage to issue of the present application is respectfully requested. If any points remain in issue that may best be resolved through a personal or telephonic interview, Examiner Clinger is respectfully requested to contact the undersigned at the telephone number listed below.

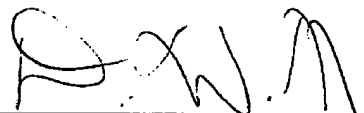
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Respectfully submitted,  
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